

Set	Items	Description
S1	62	(GLOBAL OR UNIVERSAL OR COMPREHENSIVE) (5N) (HYDROCARBON OR - FUEL()RELATED OR EXHAUST OR PETROCHEMICAL) (5N) (EMISSION? OR P- OLLUT? OR AIR()QUALIT?)
S2	1	S1 AND IC=G06F?
S3	25158	(HYDROCARBON OR FUEL()RELATED OR EXHAUST OR PETROCHEMICAL) - (5N) (EMISSION? OR POLLUT? OR AIR()QUALIT?)
S4	83	S3 AND IC=G06F?
S5	37	S4 AND IC=(G06F-007? OR G06F-017?)

File 347:JAPIO Oct 1976-2003/Apr(Updated 030804)
(c) 2003 JPO & JAPIO

File 348:EUROPEAN PATENTS 1978-2003/Jul W03
(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20030807,UT=20030731
(c) 2003 WIPO/Univentio

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200352
(c) 2003 Thomson Derwent

2/5,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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07361736 **Image available**
SYSTEM AND METHOD FOR TAX CALCULATION

PUB. NO.: 2002-230233 [JP 2002230233 A]
PUBLISHED: August 16, 2002 (20020816)
INVENTOR(s): HARUKI KAZUHITO
TANAKA IZUMI
APPLICANT(s): TOSHIBA CORP
APPL. NO.: 2001-023765 [JP 20011023765]
FILED: January 31, 2001 (20010131)
INTL CLASS: G06F-017/60 ; G08G-001/00

ABSTRACT

PROBLEM TO BE SOLVED: To solve such problems that **global** warming caused by **exhaust emission** exhausted from automobiles and the improving method for it are becoming a great problem and that the tax of an automobile on environmental load cannot be calculated for every person and, therefore, the fair calculation of tax for the use of road could not be secured between persons.

SOLUTION: This tax calculation system on the environmental load roughly comprises a traveling means 1 running on a road, a personal information recognition means 4 for acquiring personal information on a person who uses the traveling means 1, and a calculation control center 21 controlling the traveling record on the traveling of the traveling means 1 and, based on the traveling record and the personal information calculating the tax on the environmental load.

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INTL CLASS: G06F-017/60 ; G08G-001/00

ABSTRACT

PROBLEM TO BE SOLVED: To solve such problems that **global** warming caused by **exhaust emission** exhausted from automobiles and the improving method for it are becoming a great problem and that the...

5/5,K/12 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00969529 **Image available**

LAND PORT SYSTEM AND METHOD FOR FUEL CELL VEHICLES
SYSTEME DE PORTS TERRESTRE ET PROCEDE POUR VEHICULES A PILES COMBUSTIBLES
Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 2002103590 A2 20021227 (WO 02103590)

Application: WO 2002IB3490 20020129 (PCT/WO IB0203490)

Priority Application: US 2001773271 20010129

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD

SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-017/60**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 5035

English Abstract

French Abstract

Legal Status (Type, Date, Text)

Publication 20021227 A2 Without international search report and to be
republished upon receipt of that report.

Declaration 20030605 Late publication under Article 17.2a

Republication 20030605 A2 With declaration under Article 17(2)(a); without
abstract; title not checked by the International
Searching Authority.

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... global warming.

Summary of the Invention

The present invention provides a system and method for reducing the
emissions of toxic diesel **exhaust** in inner cities, thereby mitigating
damage both to the environment and human health. The system and method...

5/5,K/13 (Item 2 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT
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00933132 **Image available**

ENVIRONMENTAL PERFORMANCE ASSESSMENT

EVALUATION DE L'EFFICACITE ENVIRONNEMENTALE

Patent Applicant/Assignee:

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DE LACY Terence Peter, 53 Rosecliffe Street, Highgate Hill, Queensland
4101, AU, AU (Residence), AU (Nationality), (Designated only for: US)
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WORBOYS Graeme Leonard, 3 Rischbieth Crescent, Gilmore, Australian
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200267152 A1 20020829 (WO 0267152)

Application: WO 2002AU173 20020219 (PCT/WO AU0200173)

Priority Application: AU 20013198 20010220

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-017/60**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 11379

English Abstract

The present invention provides a method of assessing the sustainability performance of an entity. This is achieved by monitoring the operation of the entity, and using this to determine one or more sustainability indicators, each sustainability indicator being a respective value determined based on the operation of the entity. The sustainability indicators are then compared to respective thresholds allowing the sustainability performance to be determined in accordance with the results of the comparison.

French Abstract

La presente invention concerne un procede d'evaluation de l'efficacite de la durabilite d'une entite. Cette evaluation est realisee par le biais du controle du fonctionnement de l'entite et de l'utilisation de celle-ci de maniere a determiner au moins un indicateur de durabilite, chaque indicateur correspondant a une valeur respective determinee a partir du fonctionnement de l'entite. Ces indicateurs sont ensuite compares aux seuils respectifs, ce qui permet de determiner l'efficacite de la durabilite en fonction des resultats de la comparaison.

Legal Status (Type, Date, Text)

Publication 20020829 A1 With international search report.

Examination 20021219 Request for preliminary examination prior to end of

19th month from priority date
Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description

... through ensuring regular maintenance as per the manufacturer's schedule.

The indicator is the ratio of tested **exhaust emissions** that pass local regulatory standards to the number of services carried out.
Exhaust emissions are a good guide to the efficiency of combustion, and hence fuel consumption and level of harmful **exhaust** gases.

Air Quality

Objective: Improve air quality through reducing local emissions from energy consumption.

j

Gasses other than CO2...

5/5,K/14 (Item 3 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00885096 **Image available**

COMMUNICATION SYSTEM AND METHOD FOR SUSTAINING THE ENVIRONMENT BY USING THE INTERNET

SYSTEME ET PROCEDE DE COMMUNICATION SERVANT A FAVORISER LA VIABILITE DE L'ENVIRONNEMENT VIA INTERNET

Patent Applicant/Inventor:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200219230 A1 20020307 (WO 0219230)

Application: WO 2001US27311 20010831 (PCT/WO US0127311)

Priority Application: US 2000653555 20000901

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD

SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-017/60**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 17734

English Abstract

A method for developing ratings of the environmental sensitivity of vehicles and vehicle manufacturers and for communicating such ratings to consumers, manufacturers and other interested parties utilizes the Internet (6) for acquiring data and disseminating information and identifies vehicles available on the market to consumers with an environmental performance rating based upon a rating algorithm (8). Trophies are awarded in recognition of the top rated vehicles and

manufacturers in regard to environmental sensitivity. The rating system and the identification of the award winners is communicated to consumers and to stake-holders such as the manufacturers, special interest groups and governmental agencies (7B).

French Abstract

L'invention concerne un procede de mise au point de valeurs de sensibilite environnementale pour les vehicules et les fabricants de vehicules. Ces valeurs sont communiquees aux consommateurs, aux fabricants et a d'autres parties interessees. Ce procede utilise l'Internet (6) pour acquerir des donnees et diffuser les informations. Il identifie en outre les vehicules disponibles sur le marche pour les consommateurs grace aux valeurs de performance environnementale calculees par un algorithme de valeurs (8). Des prix sont discernes en signe de reconnaissance aux vehicules et aux fabricants les mieux notes en terme de sensibilite environnementale. Le systeme de classification et l'identification des gagnants des prix sont communiquees aux consommateurs et aux participant tels que les fabricants, les groupes commerciaux specialises et les organismes gouvernementaux (7B).

Legal Status (Type, Date, Text)

Publication 20020307 A1 With international search report.

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... many years. it
has been subject to government regulations, both
state and federal, in respect to air **pollution** by
engine **exhaust** gases and evaporative **emissions** .

At the present, the federal government through the
Environmental Protection Agency (EPA) and the
Department of Energy...

...all light
duty vehicles with respect to gas mileage and in
respect to noxious components in engine **exhaust**
gases and evaporative **emissions** . The Compliance
with federal regulations, for example, and the
determination thereof involves highly technical
and complex procedures...the Total Life Cycle Conference and Exposition,
Graz, Austria, Dec. 1
41 US EPA (I 998) **Exhaust Emission** Certification Standards, EPA 420-B
00 1, Office of Mobile Sources, Washington DC.

47- State of California...

5/5,K/16 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00848526 **Image available**

METHOD FOR DATA FILTERING AND ANOMALY DETECTION
PROCEDE DE FILTRAGE DE DONNEES ET DE DETECTION D'ANOMALIE

Patent Applicant/Assignee:

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Inventor(s):

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Legal Representative:

MITCHELL James W (et al) (agent), General Electric Company, 3135 Easton

Turnpike W3C, Fairfield, CT 06431, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200182144 A2 20011101 (WO 0182144)
Application: WO 2001US4088 20010208 (PCT/WO US0104088)
Priority Application: US 2000556987 20000424
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA
UG UZ VN YU ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F-017/40**
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 3925

English Abstract

A method for low pass filtering data used in change-detect compression of data collected from a system includes buffering the data from said system. Rolling averages of the buffered data are calculated where the calculation of the rolling averages low pass filters the data. Change-detect compression is performed on the rolling averaged data, and the compressed data are archived. The archived data are transmitted to a central location and received. The received data are archived at the central location.

French Abstract

L'invention concerne un procede de filtrage passe-bas de donnees utilise dans la compression par detection de variation de donnees collectees transmises par un systeme, lequel procede consiste a mettre en memoire tampon les donnees transmises par ledit systeme. Les moyennes mobiles des donnees mises en memoire tampon sont calculees lorsque le calcul des moyennes mobiles permet le filtrage passe-bas des donnees. La compression par detection de variation est executee sur les donnees pour lesquelles une moyenne mobile a ete calculee, puis les donnees comprimees sont archivees. Ces donnees archivees sont transmises a un emplacement central puis recues. Les donnees recues sont archivees dans l'emplacement central.

Legal Status (Type, Date, Text)

Publication 20011101 A2 Without international search report and to be republished upon receipt of that report.

Main International Patent Class: **G06F-017/40**

Fulltext Availability:
Detailed Description

Detailed Description

... gas turbine system, such as, for example, fuel intake, to maintain the highest operational efficiency with low **exhaust emissions**. It should be appreciated that the present invention encompasses other types of monitored data, such as, for...

5/5,K/17 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00749572

METHOD FOR MINIMISING POLLUTION

PROCEDE PERMETTANT DE REDUIRE AU MAXIMUM LA POLLUTION

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2107, AU, AU (Residence), AU (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200062211 A1 20001019 (WO 0062211)

Application: WO 2000AU303 20000407 (PCT/WO AU0000303)

Priority Application: AU 999624 19990407

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE

DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC

LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK

SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

International Patent Class: G06F-163/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 5933

English Abstract

A method for minimising the impact of motor vehicle emission on the environment and computer software therefore, the method including the steps of: (1) establishing the characteristics (such as performance, load capacity and availability characteristics) required of each vehicle in a fleet of motor vehicles; (2) analysing the tasks assigned to each vehicle in the fleet and determining the minimum vehicle characteristics required for each task; (3) prioritising each of the tasks required to be performed by the vehicles in the fleet; (4) compiling the data obtained from steps (1) to (3); (5) calculating the optimal combination of the assignment of vehicles to tasks; and (6) implementing actions based on a reassignment of the tasks for each vehicle in accordance with the priorities determined in step (3) based on the characteristics identified in step (1) and the analysis in step (2) to improve the efficiency and minimise the total pollution emissions of the fleet. The compilation of data in steps (1) to (4) may be performed using a computer database and the calculations carried out in step (5) may be performed using a computer processor.

French Abstract

On decrit un procede qui permet de reduire au maximum l'impact des gaz d'echappement des vehicules automobiles sur l'environnement et un logiciel adapte a cet effet, ledit procede comprenant les etapes suivantes : (1) on definit les caracteristiques telles que les caracteristiques de rendement, de capacite de charge et de disponibilite de chaque vehicule dans un parc de vehicules a moteur ; (2) on analyse les taches assignees a chaque vehicule faisant partie du parc et on determine les caracteristiques minimales du vehicule qui sont necessaires pour chaque tache, (3) on donne un ordre de priorite a chacune des taches devant etre executees par les vehicules faisant partie du parc ; (4) on compile les donnees obtenues avec les etapes (1), (2) et (3) ; (5) on calcule la combinaison optimale de l'affectation des vehicules aux taches ; et (6) on met en oeuvre des actions qui sont fondees sur une reaffectation des taches a chaque vehicule en fonction des priorites determinees dans l'etape (3) sur la base des caracteristiques identifiees dans l'etape (1) et l'analyse de l'etape (2) pour ameliorer l'efficacite et reduire au maximum la totalite des gaz d'echappement polluants des vehicules du parc. La compilation des donnees dans les etapes (1), (2),

(3) et (4) peut etre effectuee a l'aide d'une base de donnees informatique et les calculs realises dans l'etape (5) peuvent etre executes au moyen d'un processeur d'ordinateur.

Legal Status (Type, Date, Text)

Publication 20001019 A1 With international search report.

Main International Patent Class: G06F-017/60

International Patent Class: G06F-163/00

Fulltext Availability:

Detailed Description

Detailed Description

... of combustion, and the fuel storage and delivery system, as a result of evaporation.

With regard to **exhaust** system **emissions**, an internal combustion engine using fossil fuel produces, as a by-product of combustion, carbon monoxide, nitrogen...

...temperatures associated

with combustion. Hydrocarbons are emitted because a certain amount of uncombusted fuel escapes through the **exhaust** system.

Carbon monoxide and **hydrocarbon emissions** are at their peak during the period

ding after the first few

commencing with the initial starting...

...when more fuel is emitted into the emission control canister than the amount of fuel being purged. **Hydrocarbon emission** can also result from vapour loss from the emission control system or from liquid leaks in the system. **Hydrocarbon emission** can take place during refuelling of a vehicle, because of spillage or vapour displacement. **Hydrocarbon emission** from the crank case can also take place if there are defective positive crank case ventilation valves...of its corrosive nature. The use of methanol in a mixture with unleaded petrol (ULP) results reduced **hydrocarbon**, carbon monoxide and nitrogen oxide **emissions** and there is less potential for the formation of ground-level ozone.

Compressed natural gas has been...

5/5,K/19 (Item 8 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00571465 **Image available**

MODULAR VEHICLE DIAGNOSTIC SYSTEM

SYSTEME MODULAIRE DE DIAGNOSTIC DE VEHICULE

Patent Applicant/Assignee:

EDGE DIAGNOSTIC SYSTEMS,

Inventor(s):

MCLEOD Cameron,

GRAY Moshe,

ROBERTS Gregory,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200034838 A1 20000615 (WO 0034838)

Application: WO 99US28566 19991201 (PCT/WO US9928566)

Priority Application: US 98205012 19981204

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

TM TR TT TZ UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ

BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT

SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: G05D-001/00

International Patent Class: G05D-003/00; G06F-007/00 ; G06F-017/00 ;

G06F-019/00 ; G01M-017/00
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 14286

English Abstract

A modular vehicle diagnostic system (10) includes a plurality of devices (14, 16, 18, and 20) substantially enclosed by individual housings are selectively interconnected for sensing or receiving selected signals from a vehicle (22), for selecting vehicle parameters for vehicle diagnosis or evaluation, for processing the signals, and for displaying the vehicle parameters. The devices are interconnected by conjoining mechanisms (30, 34, 28, 32) associated with the individual housings and/or by having communication channels (36, 38, 40, 42) established between them.

French Abstract

Un systeme modulaire de diagnostic de vehicule (10) comprend une pluralite de dispositifs (14, 16, 18, et 20) sensiblement blindes dans des boitiers individuels, ces dispositifs etant selectivement connectes entre eux pour detecter ou recevoir des signaux selectionnes emis par un vehicule (22), pour selectionner les parametres du vehicule en vue du diagnostic ou de l'evaluation du vehicule, pour traiter ces signaux, et enfin, pour afficher les parametres du vehicule. Ces dispositifs sont connectes entre eux par des mecanismes de liaison (30, 34, 28, 32) associes aux boitiers individuels, et/ou par des voies de communications (36, 38, 40, 42) etablies entre eux.

...International Patent Class: G06F-007/00 ...

... G06F-017/00 ...

... G06F-019/00

Fulltext Availability:
Detailed Description

Detailed Description

... generate vehicle
performance data. Performance data may correspond to ignition
system diagnosis, electronic control module (ECM) analysis,
emissions or **exhaust** gas analysis, electrical ground quality,
selective component performance evaluations and/or other
vehicle operations, systems or components...

5/5,K/20 (Item 9 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00372466 **Image available**

ELECTRONIC VEHICLE LOG

LIVRE DE BORD ELECTRONIQUE POUR VEHICULES

Patent Applicant/Assignee:

SCIENTIFIC-ATLANTA INC,
HOUSER Peter B,

Inventor(s):

HOUSER Peter B,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9713208 A1 19970410

Application: WO 95US12459 19951006 (PCT/WO US9512459)

Priority Application: WO 95US12459 19951006

Designated States: CA JP MX US AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT
SE

Main International Patent Class: G06F-017/40

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 11259

English Abstract

A method and apparatus for maintaining an electronic vehicle log (1) involves the formation of protected data packets (411) which are electronically signed by certified users. The electronic vehicle log (1) preferably comprises a secure non-volatile memory (2) that may be removed from the vehicle (200). Preferably the apparatus, referred to herein as a date processing interface unit (DPIU) (1), has access to date and real time of day and location data so that the protected data packets (411) further include, besides data to be protected, the date and time of day and the location of the vehicle (200) for comparison with expected data as further protection against fraudulent or forged data entry. Preferably, on-board sensors (6) collect in-transit monitoring and cargo monitoring data for access by various certified users. Event data such as governmental inspection or border crossing data may be entered into the log by governmental authorities.

French Abstract

La presente invention concerne un procede et un appareil pour la tenue a jour d'un livre de bord electronique (1) de vehicule faisant intervenir une constitution de paquets de donnees (411) proteges signes electroniquement par des utilisateurs certifies. Ce livre de bord electronique (1) de vehicule comporte une memoire permanente (2) securisee qui peut etre retiree du vehicule (200). L'appareil (1), ou "DPIU" (pour "Data Processing Interface Unit", c'est-a-dire "interface informatique"), a acces aux donnees "date", "heure reelle" et "position" de facon que les paquets de donnees (411) proteges incluent egalement, outre les donnees a proteger, les informations de date, d'heure et de position concernant le vehicule (200) afin qu'a titre de protection supplementaire contre la consignation de donnees frauduleuses ou falsifiees, il soit possible de faire des comparaisons avec des donnees vraisemblables. Des capteurs embarques (6) assurent la collecte de donnees de suivi du transit et du chargement accessibles par divers utilisateurs certifies. Les donnees portant sur les evenements tels que les controles par les autorites administratives ou le franchissement des frontieres peuvent etre consignees par les autorites administratives.

Main International Patent Class: G06F-017/40

Fulltext Availability:

Detailed Description

Detailed Description

... vehicle) weight measured at weigh stations, driver and duration of driving, safety inspection results, border crossing approval, **exhaust pollution** measurements and the like. In addition to vehicle related items, additional data may be required concerning the...

5/5,K/21 (Item 10 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00261264 **Image available**

SYSTEM FOR ADDING GASEOUS MATERIALS TO COMBUSTION SYSTEM

SYSTEME D'ALIMENTATION EN MATIERES GAZEUSES D'UN SYSTEME DE COMBUSTION

Patent Applicant/Assignee:

BLUE PLANET TECHNOLOGIES CO L P,

Inventor(s):

SHUSTOROVICH Eugene,

MONTANO Richard,

SOLNTSEV Konstantin,

BUSLAEV Yuri,

KALNER Vaniamin,

MOISEEV Nikolai,

BRAGIN Aleksandr,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9409431 A1 19940428

Application: WO 93US9981 19931019 (PCT/WO US9309981)

Priority Application: US 92963350 19921019

Designated States: AT AU BB BG BR BY CA CH CZ DE DK ES FI GB HU JP KP KR KZ
LK LU LV MG MN MW NL NO NZ PL PT RO RU SD SE SK UA UZ VN AT BE CH DE DK
ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD
TG

Main International Patent Class: **G06F-007/70**

International Patent Class: F02M-23:06; F02M-23:08

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 2493

English Abstract

There is disclosed a system for providing gaseous material to a combustion system comprising control means (50, 52) for detecting change of the rate of combustion in the system and for initiating admission of gaseous material into the system; and means (20) responsive to said control means for drawing gaseous material from a source of gaseous material and admitting the gaseous material into the system at a position downstream of a carburetor (44) in the system. There is also disclosed a method for providing gaseous material to a combustion system comprising detecting a change in the rate of combustion in the system and in response thereto admitting gaseous materials to the system at a position downstream of the carburetor (44).

French Abstract

Système d'alimentation en matières gazeuses d'un système de combustion. Il comporte un dispositif de commande (50, 52) destiné à détecter une variation de la vitesse de combustion dans le système, et à actionner l'alimentation en matières gazeuses du système; et un dispositif (20) commande par ledit dispositif de commande et destiné à aspirer des matières gazeuses d'un réservoir de matières gazeuses, et à introduire lesdites matières gazeuses dans le système en un point situé en aval d'un carburateur (44) du système. On a également prévu un procédé d'alimentation en matières gazeuses d'un système de combustion. Il consiste à détecter une variation de la vitesse de combustion dans le système, et, suite à cette détection, à introduire des matières gazeuses dans le système en un point situé en aval du carburateur (44).

Main International Patent Class: **G06F-007/70**

Fulltext Availability:

Detailed Description

Detailed Description

... Such

structures generally are complex and relatively expensive to manufacture. Additionally, high levels of CO and unburned **hydrocarbon emissions** from combustion chambers contributes to catalytic converters becoming spent, which leads to removal and replacement in the...

5/5/4 (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

07079641 **Image available**
INFORMATION PROCESSOR

PUB. NO.: 2001-307288 [JP 2001307288 A]
PUBLISHED: November 02, 2001 (20011102)
INVENTOR(s): MABUCHI TORU
KANAYAMA KENJI
APPLICANT(s): OMRON CORP
APPL. NO.: 2000-122448 [JP 2000122448]
FILED: April 24, 2000 (20000424)
INTL CLASS: G08G-001/08; **G06F-017/60** ; **G06F-019/00** ; G07C-005/00;
G08G-001/017; G08G-001/07

ABSTRACT

PROBLEM TO BE SOLVED: To reduce the discharge quantity of **exhaust** gases.

SOLUTION: The **pollution** information measurement device 1 measures the speed and the amount of exhaust gas of each vehicle on which runs a road. The vehicle of which amount of the measured exhaust gas exceeds specified quantity is a control object vehicle, and sends the speed information of the control object vehicle to the signal control information generating device 2. The signal control information generating device 2 calculates the parameter which lights green or red light using the sent speed information so that the control object vehicle is not stopped at the intersection where the signal 4 is set. The calculated parameter is transmitted to the signal controller 3 which controls the signal 4 based on the received parameter.

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5/5/8 (Item 8 from file: 347)
DIALOG(R)File 347:JAPIO
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05255135 **Image available**
VIBRATING COMBUSTION ANALYZER AND MANUFACTURE OF BURNER

PUB. NO.: 08-210635 [JP 8210635 A]
PUBLISHED: August 20, 1996 (19960820)
INVENTOR(s): NAKAMOTO MITSUYOSHI
KATO HIROHISA
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD [000582] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 07-277995 [JP 95277995]
FILED: October 25, 1995 (19951025)
INTL CLASS: [6] F23N-005/24; **G06F-017/50**
JAPIO CLASS: 24.2 (CHEMICAL ENGINEERING -- Heating & Cooling); 32.1 (POLLUTION CONTROL -- **Exhaust** Disposal); 32.9 (**POLLUTION** CONTROL -- Other); 45.4 (INFORMATION PROCESSING -- Computer Applications
JAPIO KEYWORD:R037 (CHEMISTRY -- Exhaust Gas Denitration)

ABSTRACT

PURPOSE: To further efficiently design a burner as compared with prior art by previously predicting to decide the conditions of whether a vibrating combustion occurs or not at the stage of designing the burner, and utilizing the decided result.

CONSTITUTION: Input means 1 inputs the shape of a burner as an object to be designed, sound velocity and mixed gas density in the burner as input data. The input data include the shape, the dimensions, and the temperature conditions of elements for forming the burner such as a heat exchanger, a blower, a gas supply passage. Calculating means 2 is means for solving a

wave equation over the entire burner based on the input data from the means 1, obtaining the n-th degree intrinsic frequency of the burner and obtaining the pressure distribution in the burner with respect to the frequency. Analyzing means 3 analyzes whether the vibrating combustion occurs or not for the burner based on the position of the flame input from the means 1 and a predetermined reference from the pressure distribution obtained by the means 2.

5/5/23 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

015020953 **Image available**
WPI Acc No: 2003-081470/200308
XRAM Acc No: C03-021484
XRPX Acc No: N03-063814

Risk management support system for pollution control in incineration plant, notifies result of risk analysis to management unit of monitored plant or natural environment

Patent Assignee: EBARA CORP (EBAR)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002297834	A	20021011	JP 2001102966	A	20010402	200308 B

Priority Applications (No Type Date): JP 2001102966 A 20010402

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2002297834	A	8	G06F-017/60	

Abstract (Basic): JP 2002297834 A

NOVELTY - A risk analyzer (11) in a center (10) performs risk analysis based on the type and concentration of exhaust gas. An emergency report unit (13) provides an emergency report to security, when an emergency is judged based on the risk analysis. A notification unit (14) notifies the result of the risk analysis to a management unit of a monitored plant or monitored natural environment.

USE - For supporting the actions taken to control air or water pollution due to effluents or exhaust gas from factories, incineration plants or motor vehicles.

ADVANTAGE - Necessary control action can be taken immediately and quickly when unexpected chances of contamination are predicted.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of the risk management support system. (Drawing includes non-English language text).

Center (10)
Risk analyzer (11)
Emergency report unit (13)
Notification unit (14)
pp; 8 DwgNo 1/7

Title Terms: RISK; MANAGEMENT; SUPPORT; SYSTEM; POLLUTION; CONTROL;
INCINERATION; PLANT; NOTIFICATION; RESULT; RISK; ANALYSE; MANAGEMENT;
UNIT; MONITOR; PLANT; NATURAL; ENVIRONMENT

Derwent Class: J04; S03; T01; W05

International Patent Class (Main): G06F-017/60

International Patent Class (Additional): G01N-027/62; G08B-025/08;
G08B-031/00

File Segment: CPI; EPI

5/5/25 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014750772 **Image available**
WPI Acc No: 2002-571476/200261

XRPX Acc No: N02-452737

Pollution level monitoring system for motor vehicle, transmits caution to vehicle driver, if measured concentration of gases in exhaust gases of vehicle exceeds prescribed value

Patent Assignee: HORIBA LTD (HORB)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002197155	A	20020712	JP 2000396331	A	20001227	200261 B

Priority Applications (No Type Date): JP 2000396331 A 20001227

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002197155	A		11	G06F-017/60	

Abstract (Basic): JP 2002197155 A

NOVELTY - A gas analyzer measures the concentration of gases in the exhaust of vehicles (2a1,2a2,2b1-2b4), and stores the values in a database (DB) along with speed, position of vehicle and air temperature. A monitoring center (3) transmits a caution to the vehicle driver, if the concentration of gases exceeds a prescribed level corresponding to a specific area.

USE - For controlling **pollution** level due to **exhaust** gases of motor vehicle.

ADVANTAGE - Evokes caution so that the pollution level is maintained below the prescribed level.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the pollution level monitoring system.

Vehicles (2a1,2a2,2b1-2b4)

Monitory center (3)

Database (DB)

pp; 11 DwgNo 3/7

Title Terms: POLLUTION; LEVEL; MONITOR; SYSTEM; MOTOR; VEHICLE; TRANSMIT;

VEHICLE; DRIVE; MEASURE; CONCENTRATE; GAS; EXHAUST; GAS; VEHICLE;

PRESCRIBED; VALUE

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

5/5/26 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014326302 **Image available**

WPI Acc No: 2002-147004/200219

XRPX Acc No: N02-111419

Controller for internal combustion engine, regulates operating parameters to operate engine under closed condition of exhaust gas recirculation valve, until abnormality condition changes

Patent Assignee: HONDA GIKEN KOGYO KK (HOND); HONDA MOTOR CO LTD (HOND)

Inventor: KAWAGUCHI H; MORIWAKI H

Number of Countries: 003 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010053954	A1	20011220	US 2001880862	A	20010615	200219 B
JP 2002004901	A	20020109	JP 2000182562	A	20000619	200219
DE 10129343	A1	20020103	DE 1029343	A	20010619	200219

Priority Applications (No Type Date): JP 2000182562 A 20000619

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010053954	A1		23	G05D-001/00	
JP 2002004901	A		14	F02D-021/08	
DE 10129343	A1			F02D-043/04	

Abstract (Basic): US 20010053954 A1

NOVELTY - The controller (5) regulates the operating parameters to operate the engine (1) under closed condition of exhaust gas recirculation valve (22), until the abnormality condition of exhaust gas recirculation mechanism changes.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for control method of internal combustion engine.

USE - For controlling internal combustion engine.

ADVANTAGE - Provision of controller enables proper setting of engine operation immediately, after opening exhaust gas recirculation valve. Deterioration in **exhaust emission** characteristics and output characteristics of engine are prevented.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the controller.

Engine (1)

Controller (5)

Exhaust gas recirculation valve (22)

pp; 23 DwgNo 1/14

Title Terms: CONTROL; INTERNAL; COMBUST; ENGINE; REGULATE; OPERATE; PARAMETER; OPERATE; ENGINE; CLOSE; CONDITION; EXHAUST; GAS; RECIRCULATE; VALVE; ABNORMAL; CONDITION; CHANGE

Derwent Class: Q18; Q52; Q53; T01; X22

International Patent Class (Main): F02D-021/08; F02D-043/04; G05D-001/00

International Patent Class (Additional): B60T-007/12; F02B-047/08;

F02D-041/02; F02D-041/12; F02D-043/00; F02M-025/07; **G06F-007/00** ;

G06F-017/00

File Segment: EPI; EngPI

5/5/30 (Item 9 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014276208 **Image available**

WPI Acc No: 2002-096910/200213

XRPX Acc No: N02-071583

Freight transferring method involves coordinating transfer of freight between zero emission vehicles and fossil fuel burning vehicles at ports provided near corresponding urban areas

Patent Assignee: GEN HYDROGEN CORP (GEHY-N)

Inventor: BALLARD G E H; ROUTTENBERG M

Number of Countries: 097 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010041998	A1	20011115	US 2000178690	A	20000128	200213 B
			US 2001773271	A	20010129	
WO 2002103590	A2	20021227	WO 2002IB3490	A	20020129	200302

Priority Applications (No Type Date): US 2000178690 P 20000128; US 2001773271 A 20010129

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010041998	A1		9	G06F-017/60	Provisional application US 2000178690
WO 2002103590	A2	E		G06F-017/60	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

Abstract (Basic): US 20010041998 A1

NOVELTY - Several ports are arranged near corresponding urban areas. Zero emission vehicles (ZEVs) associated with each ports, are made to carry freight to and/or from a port and a corresponding urban area. Fossil fuel burning vehicles carry freight both to and from the urban areas, using ZEVs associated with the ports. The transfer of freight between ZEVs and fossil fuel burning vehicles at the ports, is

coordinated.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) a method of transferring freight from outlying area to urban area;
- (b) a method for transferring freight from urban area to outlying area;
- (c) a system for transferring freight between fossil fuel burning vehicles and zero emission vehicles.

USE - For transferring freight between fossil fuel burning vehicle and zero emission vehicle.

ADVANTAGE - Provides a system for reducing the **emission** of toxic diesel **exhaust** in inner cities, hence mitigates damage to environment and human health. Uses truck terminals that are located near transportation arteries at perimeter of urban areas, to function as entry barriers to limit heavy duty diesel truck tractors from entering the inner city while allowing the free movements of goods contained within trailer loads hauled by the heavy duty diesel truck tractors.

DESCRIPTION OF DRAWING(S) - The figure shows a representation of land port infra structure.

pp; 9 DwgNo 2/2

Title Terms: FREIGHT; TRANSFER; METHOD; COORDINATE; TRANSFER; FREIGHT; ZERO
; EMIT; VEHICLE; FOSSIL; FUEL; BURN; VEHICLE; PORT; CORRESPOND; URBAN;
AREA

Derwent Class: T01; X25

International Patent Class (Main): G06F-017/60

File Segment: EPI

5/5/31 (Item 10 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013851742 **Image available**

WPI Acc No: 2001-335955/200135

XRPX Acc No: N01-242483

Heat flow control/regulation method for automobile air-conditioning has control device using model of engine cooling system for predicting future loading values for controlling heat flow

Patent Assignee: BOSCH GMBH ROBERT (BOSC)

Inventor: HESSE U; LEHR W

Number of Countries: 021 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200134953	A1	20010517	WO 2000DE3656	A	20001017	200135 B
DE 19953511	A1	20010523	DE 1053511	A	19991106	200137
EP 1159520	A1	20011205	EP 2000979432	A	20001017	200203
			WO 2000DE3656	A	20001017	
JP 2003514184	W	20030415	WO 2000DE3656	A	20001017	200328
			JP 2001536861	A	20001017	
US 6556906	B1	20030429	WO 2000DE3656	A	20001017	200331
			US 2001869810	A	20011016	

Priority Applications (No Type Date): DE 1053511 A 19991106

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200134953 A1 G 18 F01P-007/16

Designated States (National): JP US

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU

MC NL PT SE

DE 19953511 A1 B60H-001/00

EP 1159520 A1 G F01P-007/16 Based on patent WO 200134953

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI

LU MC NL PT SE

JP 2003514184 W 12 F01P-011/16 Based on patent WO 200134953

US 6556906 B1 G06F-007/00 Based on patent WO 200134953

Abstract (Basic): WO 200134953 A1

NOVELTY - The heat flow control/regulation method responds to the momentary loading of the automobile engine and operating and environmental parameters for the automobile, for controlling the heat flow of heat sources and heat consumers within the automobile. A control device (21,22) predicts future loading conditions of the engine cooling system using a model for the thermal inertia of the engine cooling system supplied with operating and environmental variables in the direction of travel, e.g. provided by a GPS system (GPS), for corresponding control of the cooling system heat flow.

DETAILED DESCRIPTION - Also included are INDEPENDENT CLAIMS for the following: a heat flow management device for a automobile; an automobile air-conditioning device.

USE - The heat flow control/regulation method is used for an automatic air-conditioning system within an automobile.

ADVANTAGE - The control/regulation method is used for reducing fuel consumption and **exhaust emission** levels and improving passenger comfort.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of a heat flow management device for an automobile.

Control device (21,22)

GPS system (GPS)

pp; 18 DwgNo 1/1

Title Terms: HEAT; FLOW; CONTROL; REGULATE; METHOD; AUTOMOBILE; AIR; CONDITION; CONTROL; DEVICE; MODEL; ENGINE; COOLING; SYSTEM; PREDICT; FUTURE; LOAD; VALUE; CONTROL; HEAT; FLOW

Derwent Class: Q12; Q51; Q78; W06; X22

International Patent Class (Main): B60H-001/00; F01P-007/16; F01P-011/16;

G06F-007/00

International Patent Class (Additional): F01P-007/00; F28F-027/00

File Segment: EPI; EngPI

5/5/32 (Item 11 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013014969 **Image available**

WPI Acc No: 2000-186820/200017

XRPX Acc No: N00-138330

Environmental-impact assessment procedure for industries manufacturing television, computer, motor vehicles, involves calculating amount of discharge using data searched from two databases sequentially

Patent Assignee: TOSHIBA ENG KK (TOSB)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000029880	A	20000128	JP 98227493	A	1998070	200017 B

Priority Applications (No Type Date): JP 98227493 A 19980707

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000029880	A		6	G06F-017/30	

Abstract (Basic): JP 2000029880 A

NOVELTY - A first database storing approximate data on exhaust fumes generated during manufacture of an industrial product, is searched by computer. If relevant data is absent in the database, then search is automatically switched to a second database storing exact data on **exhaust gas emission**. Then amount of discharge during manufacturing is calculated using searched data. DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for environmental-impact assessment apparatus.

USE - For industries manufacturing TV, computer, motor vehicles, building construction material using metals, plastic or rubber.

ADVANTAGE - Enables exact and quick assessment of environmental **pollution** caused due to **exhaust** gas from industries, as multiple

databases are used. DESCRIPTION OF DRAWING(S) - The figure shows hardware configuration of environmental-impact assessment apparatus.

Dwg.2/9

Title Terms: ENVIRONMENT; IMPACT; ASSESS; PROCEDURE; INDUSTRIAL; MANUFACTURE; TELEVISION; COMPUTER; MOTOR; VEHICLE; CALCULATE; AMOUNT; DISCHARGE; DATA; SEARCH; TWO; SEQUENCE

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

5/5/34 (Item 13 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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012291747 **Image available**

WPI Acc No: 1999-097853/199909

XRPX Acc No: N99-071220

Control apparatus for internal combustion engine performing stratified charge combustion - determines change of air-fuel ratio due to EGR and evaporative fuel purging in response to output of exhaust gas sensor, and generates signals for controlling air-fuel ratio

Patent Assignee: HITACHI LTD (HITA)

Inventor: ATAGO T; HORI T; SHIMADA K

Number of Countries: 028 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 893593	A2	19990127	EP 98113800	A	19980723	199909 B
JP 11036922	A	19990209	JP 97199677	A	19970725	199916
KR 99014156	A	19990225	KR 9829854	A	19980724	200018
US 20020017270	A1	20020214	US 98122784	A	19980727	200214
			US 2001971638	A	20011009	
US 20020104508	A1	20020808	US 98122784	A	19980727	200254
			US 2001971638	A	20011009	
			US 2002114948	A	20020404	

Priority Applications (No Type Date): JP 97199677 A 19970725

Cited Patents: No-SR.Pub

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 893593	A2	E	24	F02D-041/14	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI

JP 11036922	A	13	F02D-041/02	
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KR 99014156	A		F02B-017/00	
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US 20020017270	A1		F02B-017/00	Cont of application US 98122784
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US 20020104508	A1		G06F-007/00	Cont of application US 98122784
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Div ex application US 2001971638

Abstract (Basic): EP 893593 A

The control apparatus for an internal combustion engine has an exhaust gas sensor (20) which is adapted to detect exhaust gas components to deliver a signal representing an air-fuel ratio of a mixture, and which performs a stratified charge combustion. The control apparatus (15) generates a signal which controls the air-fuel ratio of the mixture, the fuel injection timing and the ignition timing on the basis of an output of the exhaust gas sensor.

The control device determines at least one of the EGR quantity and the evaporative fuel quantity of the IC engine on the basis of an operation condition of the engine.

ADVANTAGE - Greater fuel economy and **exhaust emission** control without impairing target operation condition. Adjusts air-fuel ratio and injection timing to maintain combustion stability.

Dwg.1/21

Title Terms: CONTROL; APPARATUS; INTERNAL; COMBUST; ENGINE; PERFORMANCE; STRATIFIED; CHARGE; COMBUST; DETERMINE; CHANGE; AIR; FUEL; RATIO; EGR; EVAPORATION; FUEL; PURGE; RESPOND; OUTPUT; EXHAUST; GAS; SENSE; GENERATE; SIGNAL; CONTROL; AIR; FUEL; RATIO

Derwent Class: Q52; Q53; Q54; X22

International Patent Class (Main): F02B-017/00; F02D-041/02; F02D-041/14;

G06F-007/00

International Patent Class (Additional): F02D-021/08; F02D-037/02;

F02D-043/00; F02D-045/00; F02M-025/07; F02M-025/08; F02P-005/15

File Segment: EPI; EngPI